

Ultrasonic Testing Level 2 - Course Content

- Basic concepts
- Ultrasound
- Principles of ultrasonic testing
- Flaw detector (operation and use)
- Defect location and sizing techniques
- Use of calibration and reference blocks
- Plotting systems
- Examination of samples, welds, castings and wrought products
- Report writing and discussion of relevant standards and specifications (BS, EN etc)

Training and experience hours required for Certification

Full PCN certification is only achieved once the required experience is acquired following the completion of the required training hours and passing of the examination:

Ultrasonic Testing (per sector – Welds)

Level 2 – 80 training hours and 9 months experience

Ultrasonic Nozzle & Node

Level 2 – Recommended 32 training hours & requires at least 1 Ultrasonic Testing Level 2 Welds certification

Responsibilities of an Ultrasonic Testing Level 2 certified NDT professional

An individual certified to Ultrasonic Testing Level 2 has demonstrated competence to perform NDT according to NDT procedures. Within the scope of the competence defined on the certificate, Level 2 personnel may be authorised by the employer to:

- Select the Ultrasonic Testing technique for the test method to be used
- Define the limitations of application of the testing method
- Translate Ultrasonic Testing codes, standards, specifications and procedures into Ultrasonic Testing instructions adapted to the actual working conditions
- Set up and verify Ultrasonic Testing equipment settings
- Perform and supervise Ultrasonic tests

- Interpret and evaluate results according to applicable standards, codes, specifications or procedures
- Prepare written Ultrasonic Testing instructions
- Carry out and supervise all tasks at or below Level 2
- Provide guidance for personnel at or below Level 2
- Report the results of Ultrasonic tests.